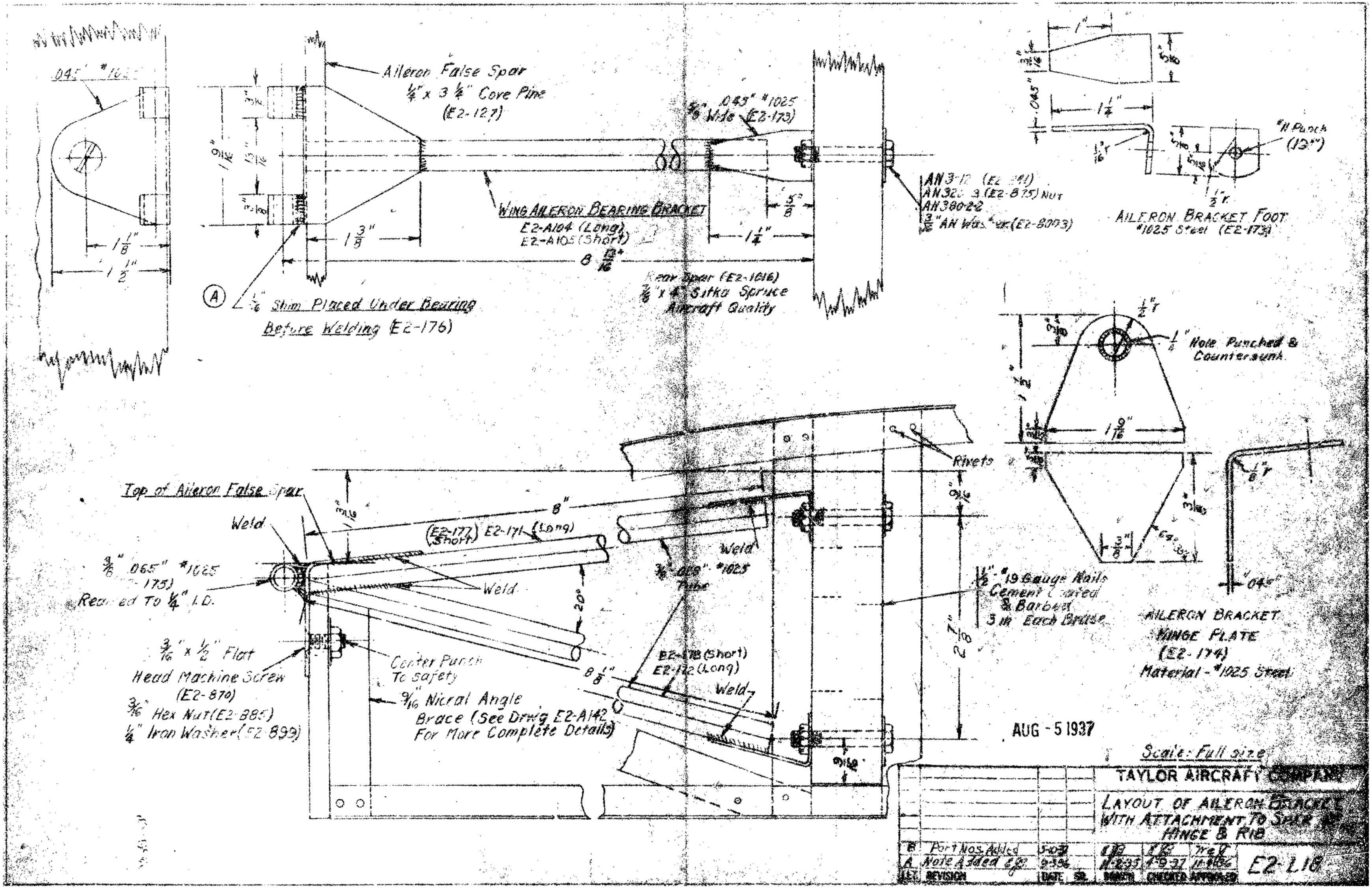
.045" #1025
1 1/8"
1 1/2"
Aileron False Spar
1/4" x 3 1/2" Core Pine
(E2-127)
9/16"
13/16"
1 9/16"
1 3/8"
5/8" .045" #1025
Wide (E2-173)
5/8"
1 1/4"
8 13/16"
AN3-12 (E2 -81)
AN320 3 (E2-875) Nut
AN380-2-2
3/16" AN Washer (E2-8003)
WING AILERON BEARING BRACKET
E2-A104 (Long)
E2-A105 (Short)
Rear Spar (E2-1016)
7/8" x 4" Sitka Spruce
Aircraft Quality
Ⓐ
1/16" Shim Placed Under Bearing
Before Welding (E2-176)
1"
5/16"
.045"
1 1/4"
1/16" r
#11 Punch
(13")
1/2" r
AILERON BRACKET FOOT
#1025 Steel (E2-173)
1/2" r
1/4" Hole Punched &
Countersunk.
1 1/16"
1 9/16"
1/8" r
.045"
AILERON BRACKET
HINGE PLATE
(E2-174)
Material - #1025 Steel
Rivets
Top of Aileron False Spar
Weld
8"
(E2-177)
(Short)
E2-171 (Long)
3/8" .065" #1025
(E2-175)
Reamed To 1/4" I.D.
Weld
Weld
20°
3/8" .028" #1025
Tube
1/2" #19 Gauge Nails
Cement Coated
& Barbed
3 in Each Bruse
2 7/16"
3/16" x 1/2" Flat
Head Machine Screw
(E2-870)
3/16" Hex Nut (E2-885)
1/4" Iron Washer (E2-899)
Center Punch
To safety
9/16" Nicral Angle
Brace (See Drwg E2-A142
For More Complete Details)
8 1/8"
E2-178 (Short)
E2-172 (Long)
Weld
AUG - 5 1937
Scale: Full size

TAYLOR AIRCRAFT COMPANY

LAYOUT OF AILERON BRACKET
WITH ATTACHMENT TO SPAR
HINGE & RIB

LET.	REVISION	DATE	SR.	DRAWN	CHECKED	APPROVED
B	Part Nos Added	5-037		C.B.	F.B.	Tre P
A	Note Added	9-3-36		11-2-35	4-9-37	11-1-36

E2-L18